

# **BALDOR® • RELIANCE**

## **Product Information Packet**

# **OF3768T**

**5HP,1125RPM,3PH,60HZ,215T,0750M,TEFC,F2**

Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	0750M	Elec. Spec:	07WGX305	CD Diagram:	CD0321
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	07J798	Layout:	07LYJ798
Frame:	215T	Mounting:	F2	Poles:	06	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	03-30-2015
Leads:	12#12	Y				Replaced By:	
Literature:		Elec. Diagram:					



Nameplate NP0090E

FRONT 6206

PULLEY 6307

LUBRICATE WITH

GREASE POLYREX EM

Parts List		
Part Number	Description	Quantity
SA095782	SA 07J798X305G1	1.000 EA
RA088220	RA 07J798X305G1	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
09CB1002A05G	CONDUIT BOX, 1.00 N.P.T. (GRAY)	1.000 EA
RM1017	LEAD SEPERATOR GASKET MODEL 307 1/8" THK	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
10XN2520S06	1/4 20X3/8 HX HD CAP S.S.	2.000 EA
WD1000B16	T&B CX70TN TERMINAL	2.000 EA
37EP1100A64G	SPL TEFC W/GRSR & RELIEF 3 HOLES .25-20	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP1101A32G	PU ENDPLATE MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 EA
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
07FH1001A01G	SPL FAN HOUSING, 307, W/GREASER, GRAY EP	1.000 EA
10XN2520A28	1/4-20X 1 3/4 HEX HD	3.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
WD4100A02	DP-1000 HEYCO PLUG OR 62MP1000 MICRO PL	1.000 EA
12CB1503A03G	CONDUIT BOX LID, MACH (GRAY), WITH LIP	1.000 EA
12GS1002	GASKET, CONDUIT BOX LID, NEOP	1.000 EA
10XN2520A24	1/4-20X 1 1/2 HEX HD X	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
HW4600B36SP	V-RING SLINGER 1.188 X 1.690 X .24 VITON	1.000 EA
HW4600B33	V-RING SLINGER 1.375 X 1.890 X .35 VITON	1.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
ML4400B12	UL3644,200C,1000V,SILICONE,12 GA,BLACK	12.000 IN
LB9031A01	BRADY B-12 ACETATE CLOTH WIRE MARKER #1	1.000 SH
LB9031A02	BRADY B-12 ACETATE CLOTH WIRE MARKER #2	1.000 SH
LB9031A03	BRADY B-12 ACETATE CLOTH WIRE MARKER #3	1.000 SH
LB9031A04	BRADY B-12 ACETATE CLOTH WIRE MARKER #4	1.000 SH
LB9031A05	BRADY B-12 ACETATE CLOTH WIRE MARKER #5	1.000 SH
LB9031A06	BRADY B-12 ACETATE CLOTH WIRE MARKER #6	1.000 SH
LB9031A07	BRADY B-12 ACETATE CLOTH WIRE MARKER #7	1.000 SH
LB9031A08	BRADY B-12 ACETATE CLOTH WIRE MARKER #8	1.000 SH
LB9031A09	BRADY B-12 ACETATE CLOTH WIRE MARKER #9	1.000 SH
LB9031A10	BRADY B-12 ACETATE CLOTH WIRE MARKER #10	1.000 SH

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LB9031A11	BRADY B-12 ACETATE CLOTH WIRE MARKER #11	1.000 SH
LB9031A12	BRADY B-12 ACETATE CLOTH WIRE MARKER #12	1.000 SH
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025Z02	ACTIVATOR WILKOFAS 060.02HF	0.010 GA
MG1025G03	WILKOFAS, 789.901, OIL RIG SILVER	0.036 GA
LB1002N	LABEL,MARINE DUTY (ON ROLLS)	1.000 EA
HA3104A32T	THRUBOLT .31-18 X 12.750 W/SHRINK TUBING	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1304	LABEL "INVERTER READY"	1.000 EA
LC0321	CONNECTION LABEL	1.000 EA
NP2960E	SS CP CSA CC	1.000 EA
NP0090E	SS NO LOGO'S BEARING & GREASE DATA	1.000 EA
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 EA
10XL3808A28	3/8 X 1 3/4" LAG SCREW	2.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

<b>Accessories</b>		
<b>Part Number</b>	<b>Description</b>	<b>Multiplier</b>
37-1304	C FACE KIT	A8

**AC Induction Motor Performance Data**

Record # 1157 - Typical performance - not guaranteed values

<b>Winding:</b> 07WGX305-R001	<b>Type:</b> 0750M	<b>Enclosure:</b> TEFC
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Nameplate Data				460 V, 60 Hz: 2nd Voltage Connection	
Rated Output (HP)	5			Full Load Torque	23.7 LB-FT
Volts	230/460/796			Start Configuration	direct on line
Full Load Amps	15.2/7.6/4.4			Breakdown Torque	103 LB-FT
R.P.M.	1125			Pull-up Torque	79.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	109 LB-FT
NEMA Design Code	D	KVA Code	J	Starting Current	46.7 A
Service Factor (S.F.)	1.15			No-load Current	4.2 A
NEMA Nom. Eff.	80	Power Factor	76	Line-line Res. @ 25°C	1.6965 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	82°C
S.F. Amps				Temp. Rise @ S.F. Load	105°C

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	54	69	76	81	84	79
Efficiency	74.2	82.1	82.5	80.6	77.5	72.8	78.7
Speed	1180	1158	1129	1101	1069	1023	1082
Line amperes	4.3	4.94	6.21	7.63	9.16	11.6	8.55

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values





